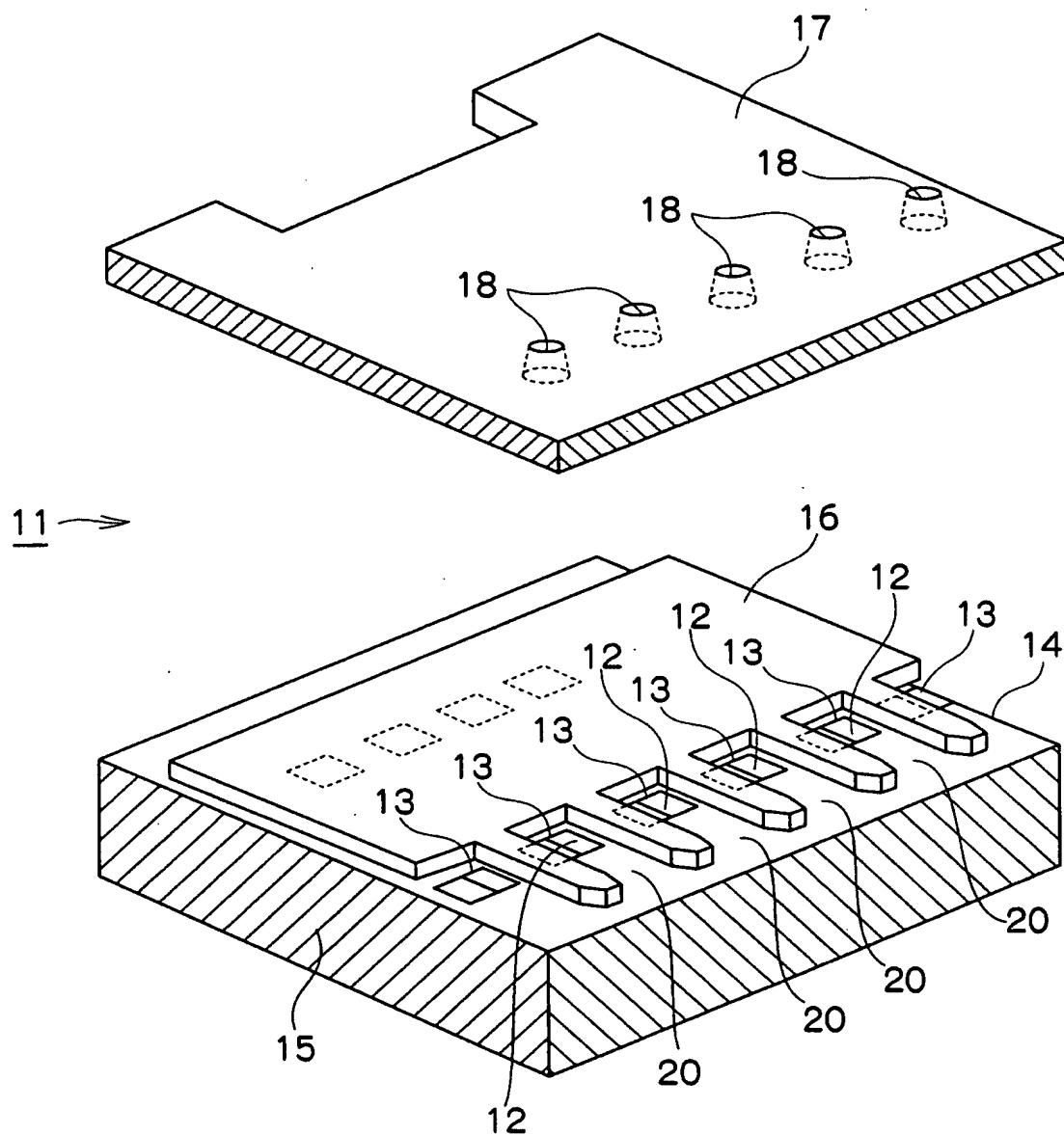


S04P1380

1 / 21

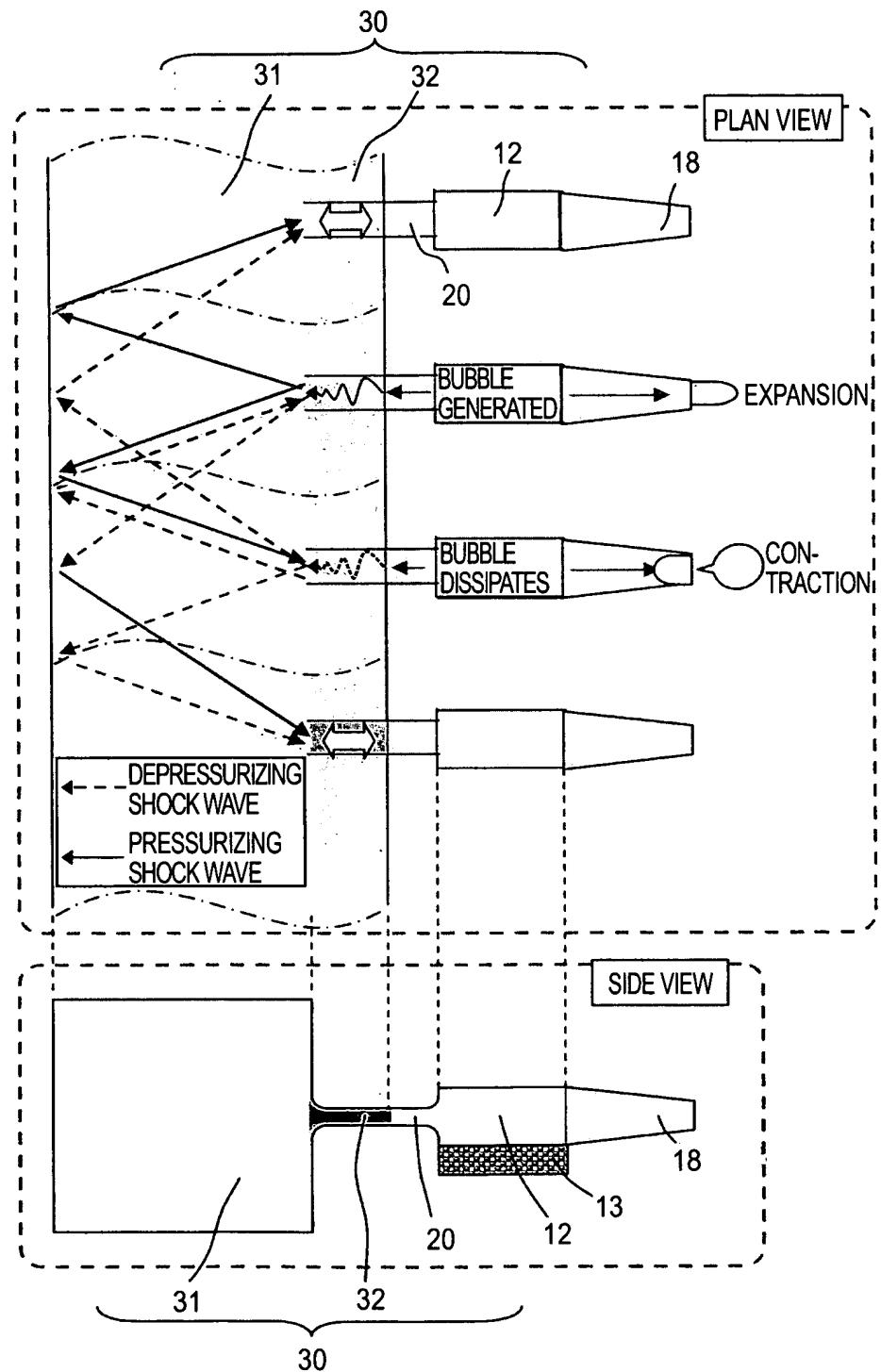
FIG. 1



S04P1380

2 / 21

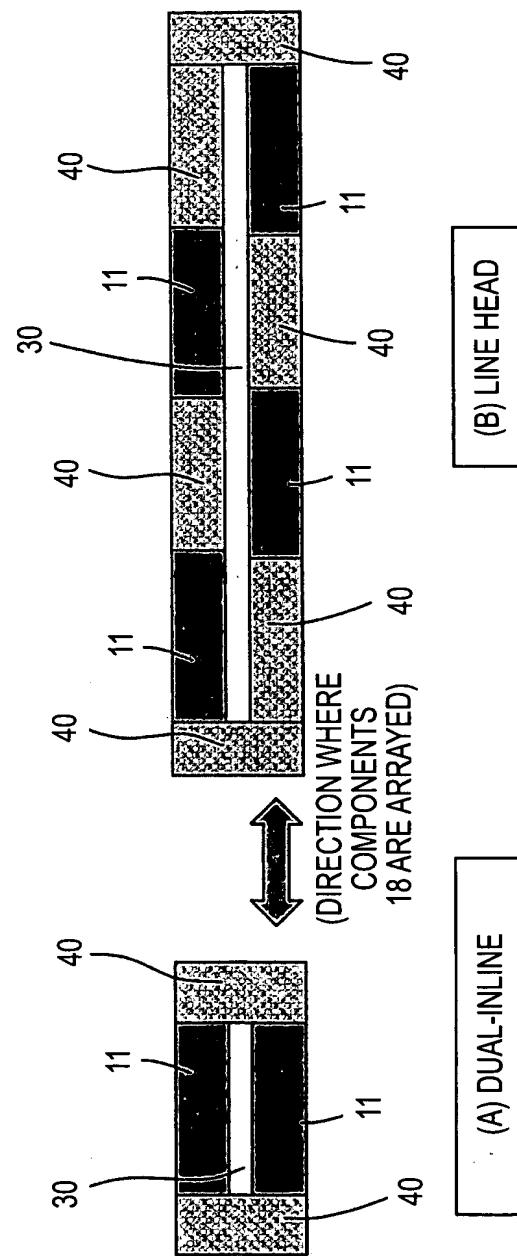
FIG. 2



S04P1380

3/21

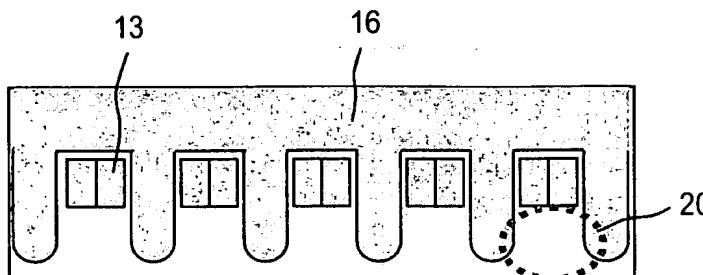
FIG. 3



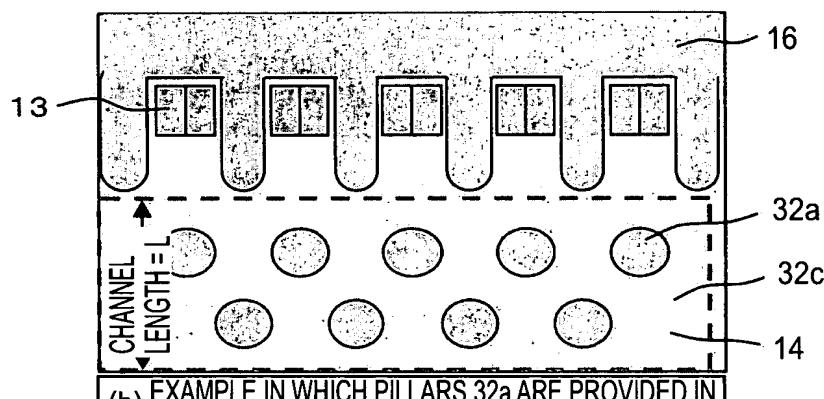
S04P1380

4 / 21

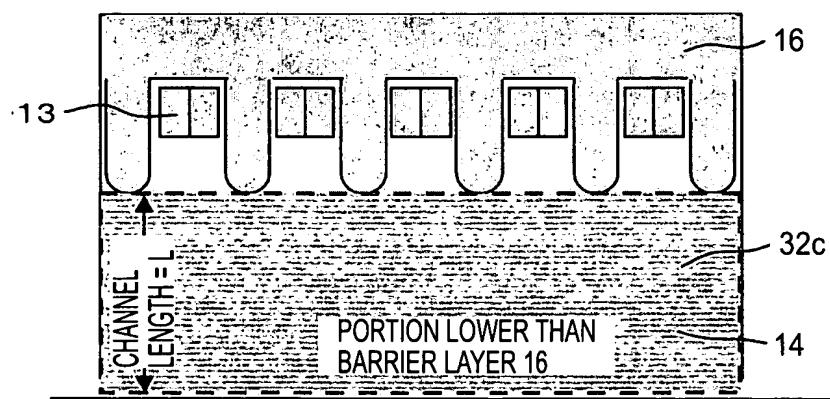
FIG. 4



(a) EXAMPLE OF CONVENTIONAL STRUCTURE



(b) EXAMPLE IN WHICH PILLARS 32a ARE PROVIDED IN HORIZONTAL COMMON CHANNEL 32c

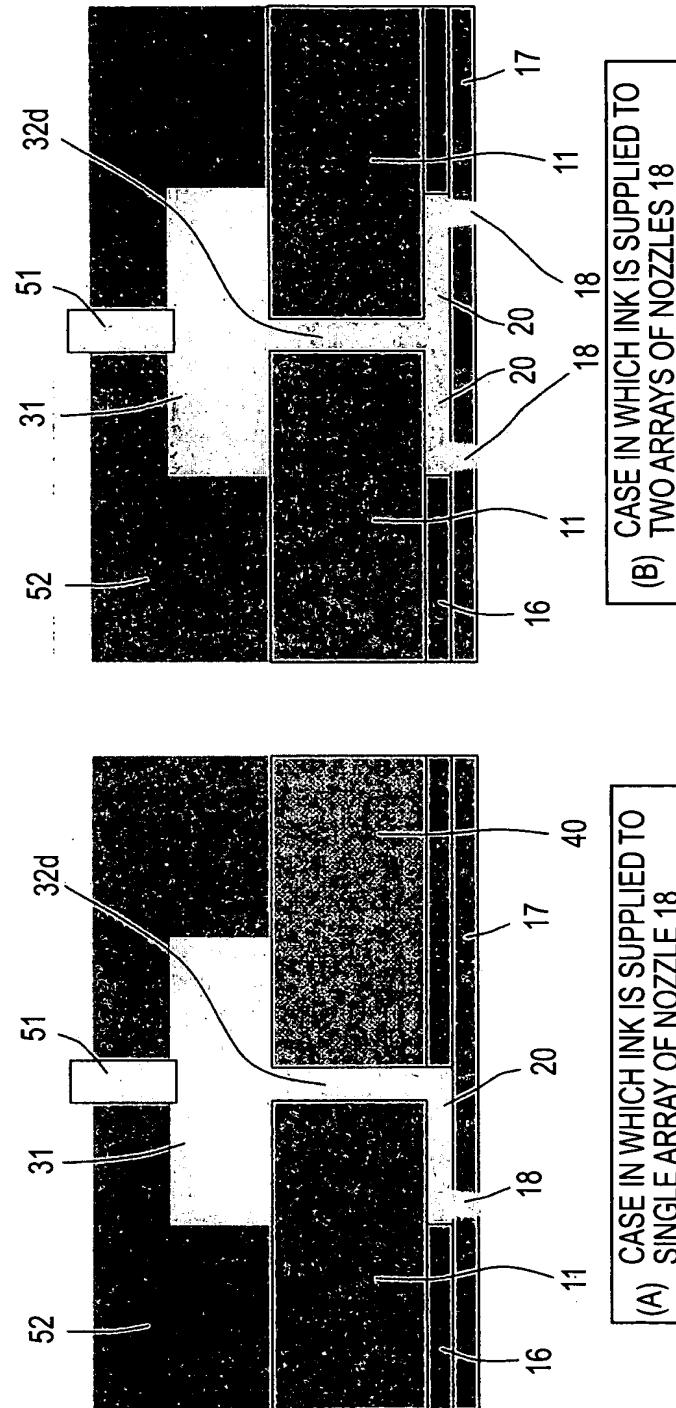


(c) EXAMPLE IN WHICH HORIZONTAL COMMON CHANNEL 32c LOWER THAN BARRIER LAYER 16 IS PROVIDED

S04P1380

5/21

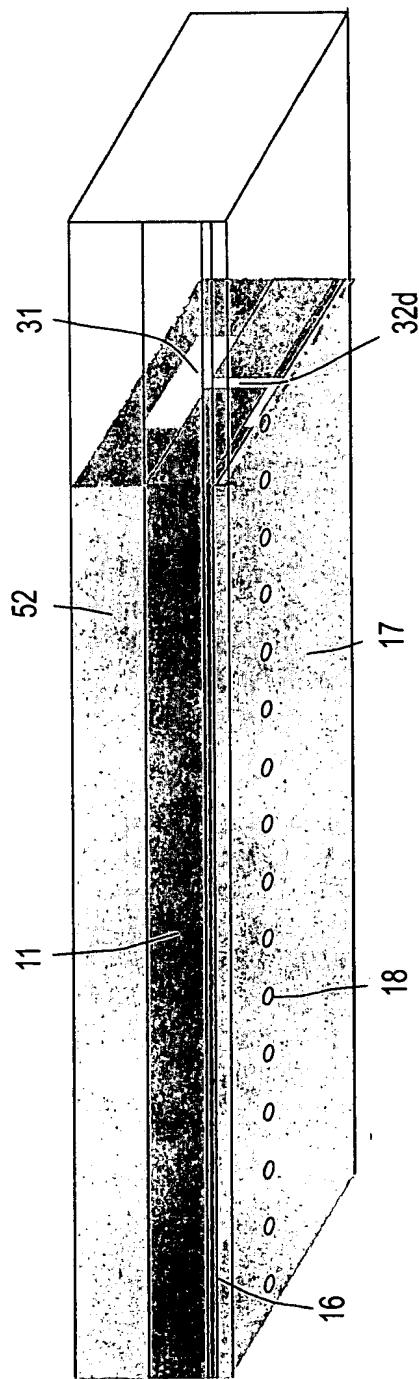
FIG. 5



S04P1380

6 / 21

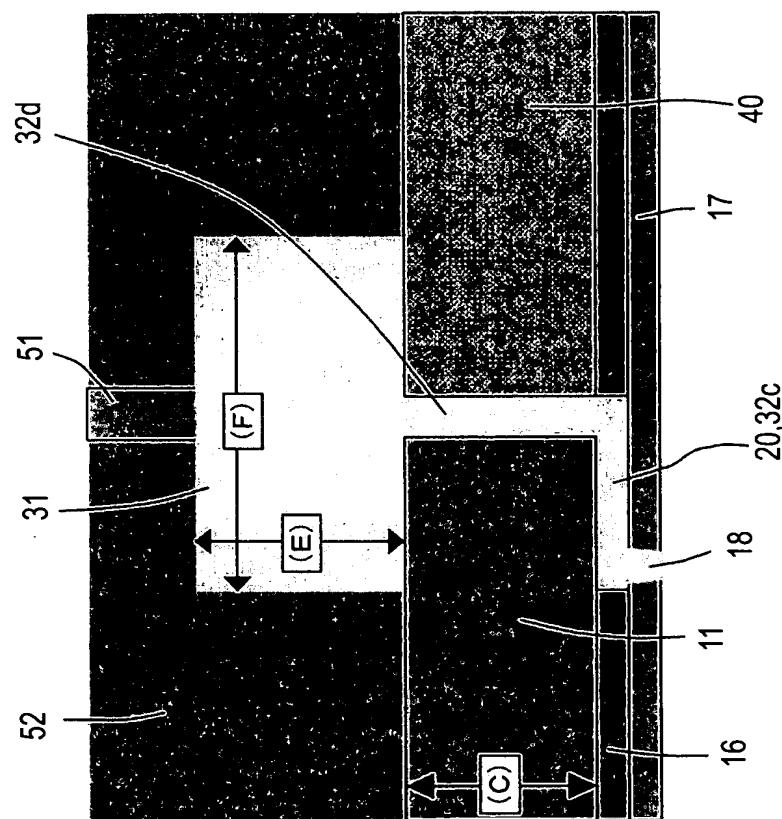
FIG. 6



S04P1380

7 / 21

FIG. 7



S04P1380

8 / 21

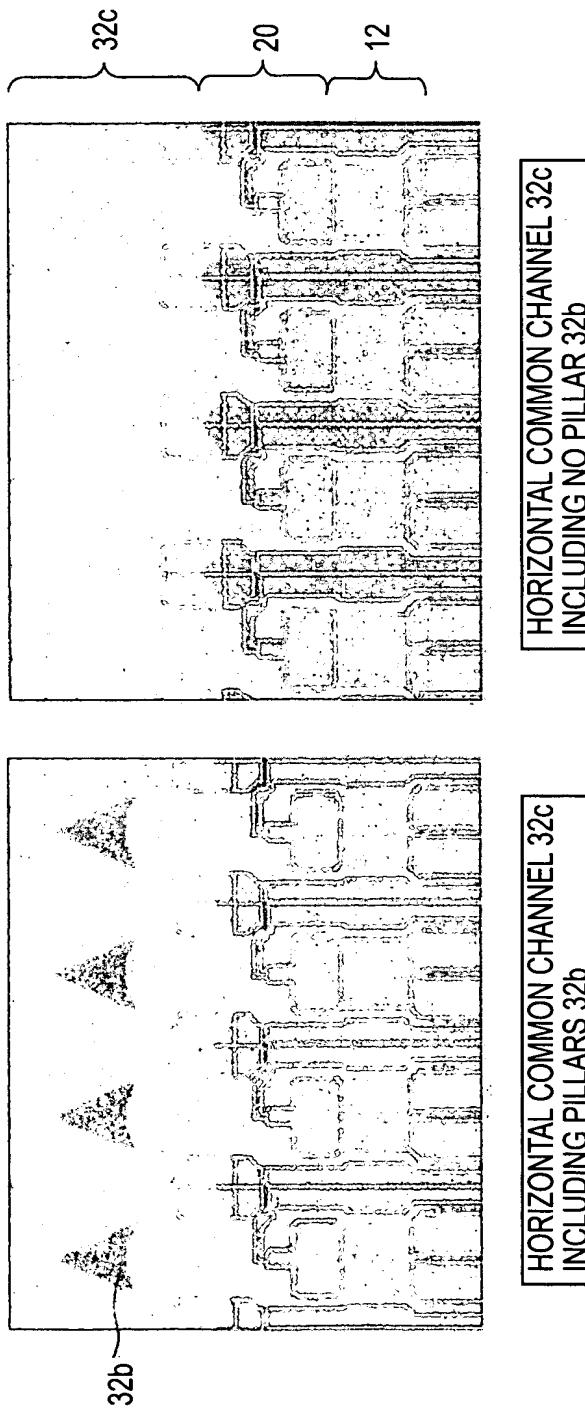
FIG. 8

PROTOTYPE NO.	(A)	(B)	(C)	PERPENDICULAR COMMON CHANNEL 32d		(E)	(F)	PILLARS 32b IN HORIZONTAL COMMON CHANNEL 32c	unit : [μm]
				WIDTH (D)	LENGTH (L)				
SS207				455					
SS941	12	11	650	256	650	1400	1200	INCLUDING	
SS1062				256					
SS1083				256				NOT INCLUDING	

S04P1380

9/21

FIG. 9

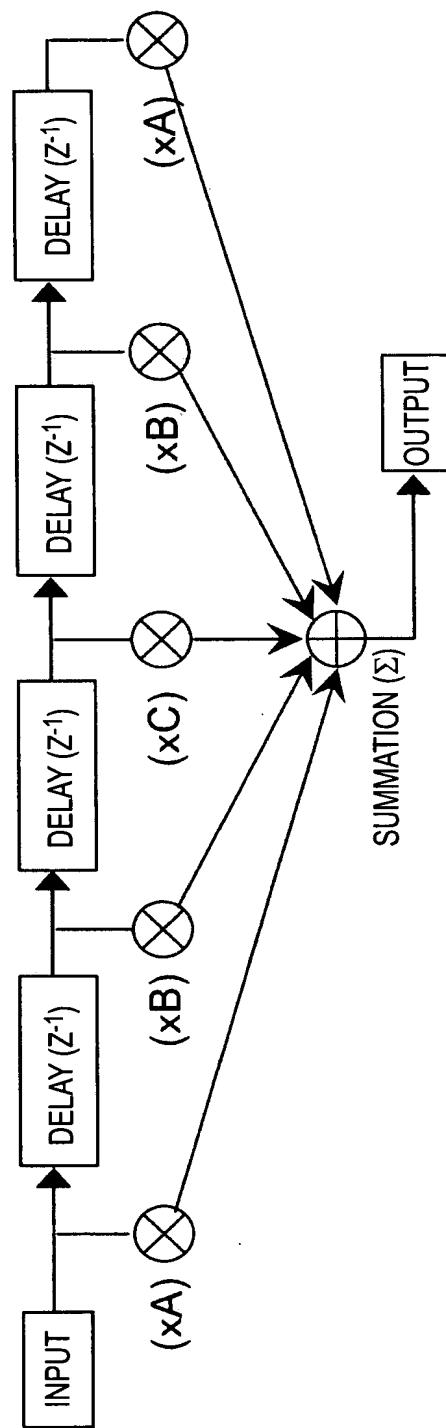


Best Available Copy

10 / 21

S04P1380

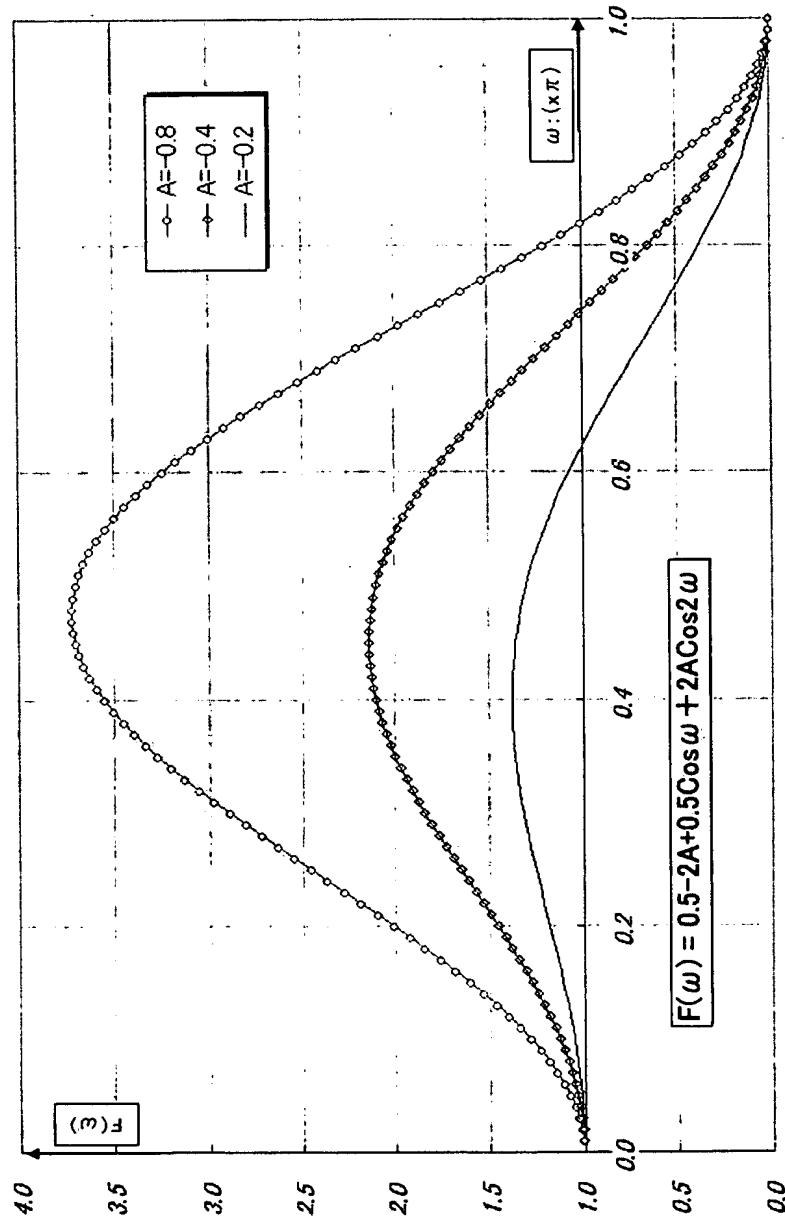
FIG. 10



11 / 21

S04P1380

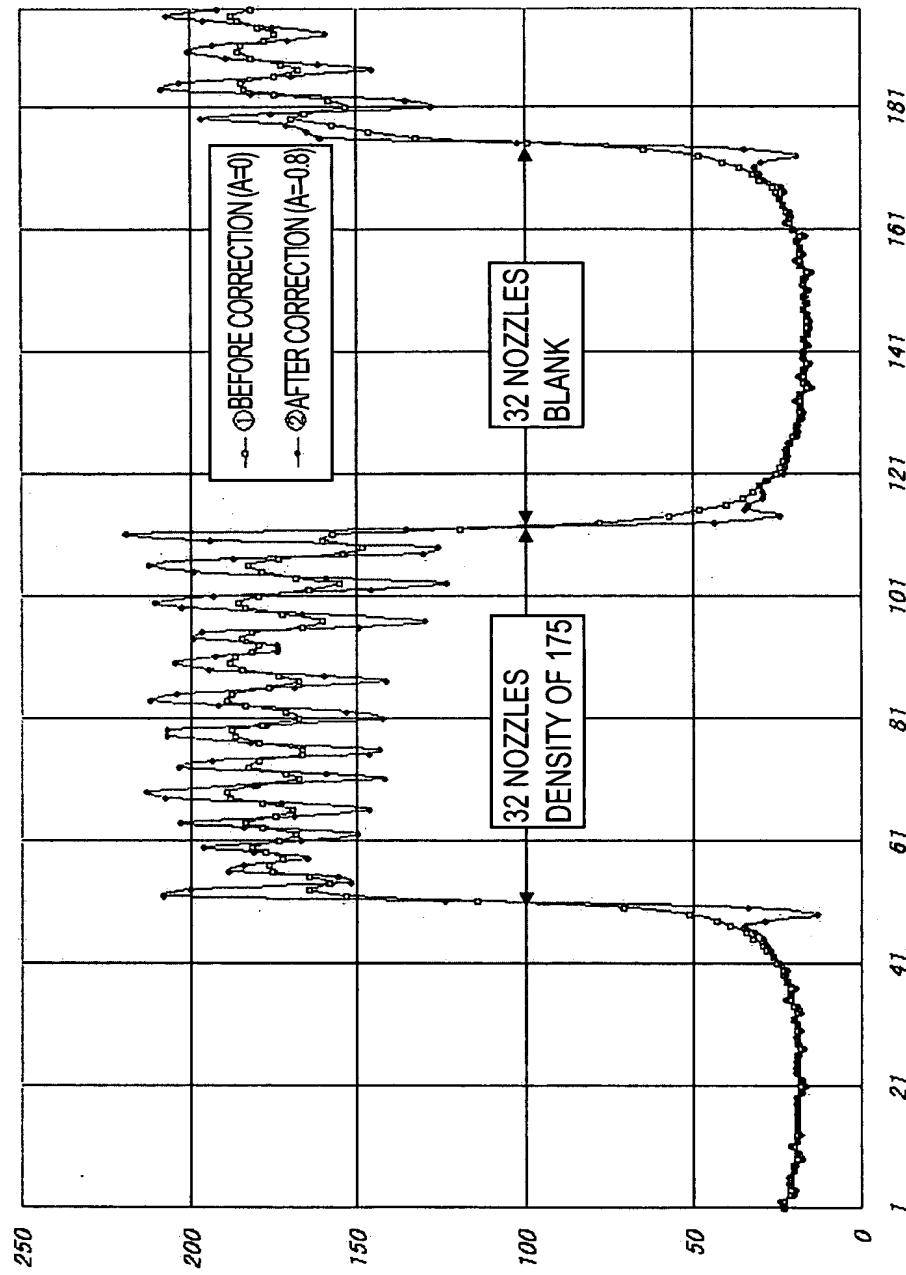
FIG. 11



12/21

S04P1380

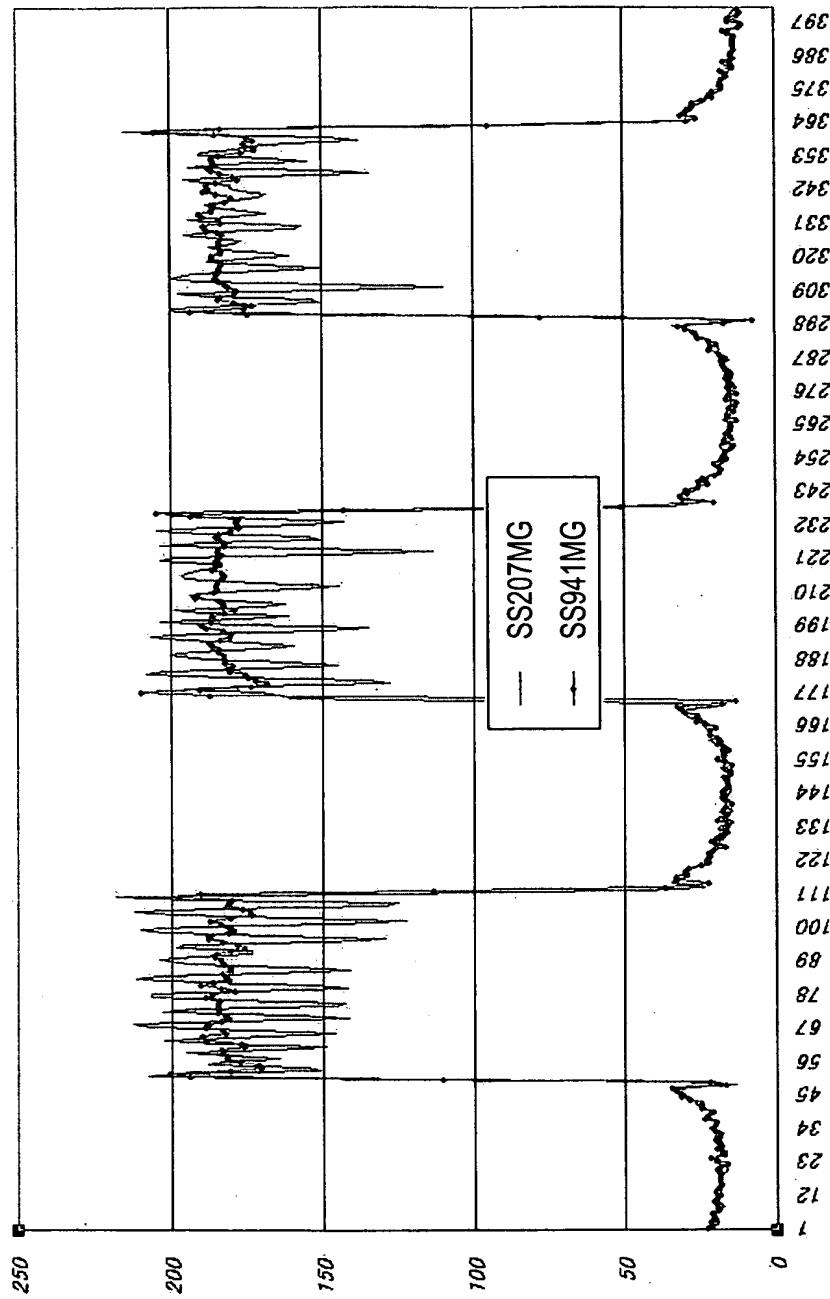
FIG. 12



13/21

S04P1380

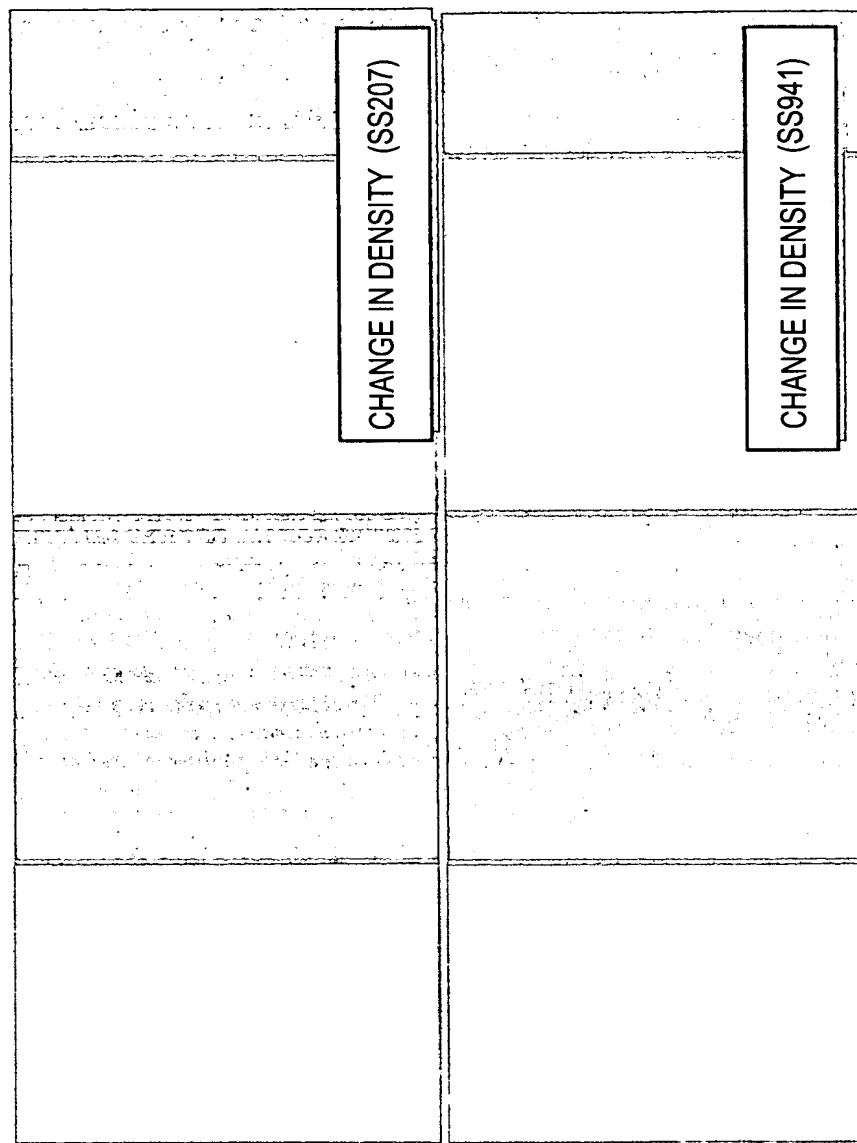
FIG. 13



14 / 21

S04P1380

FIG. 14

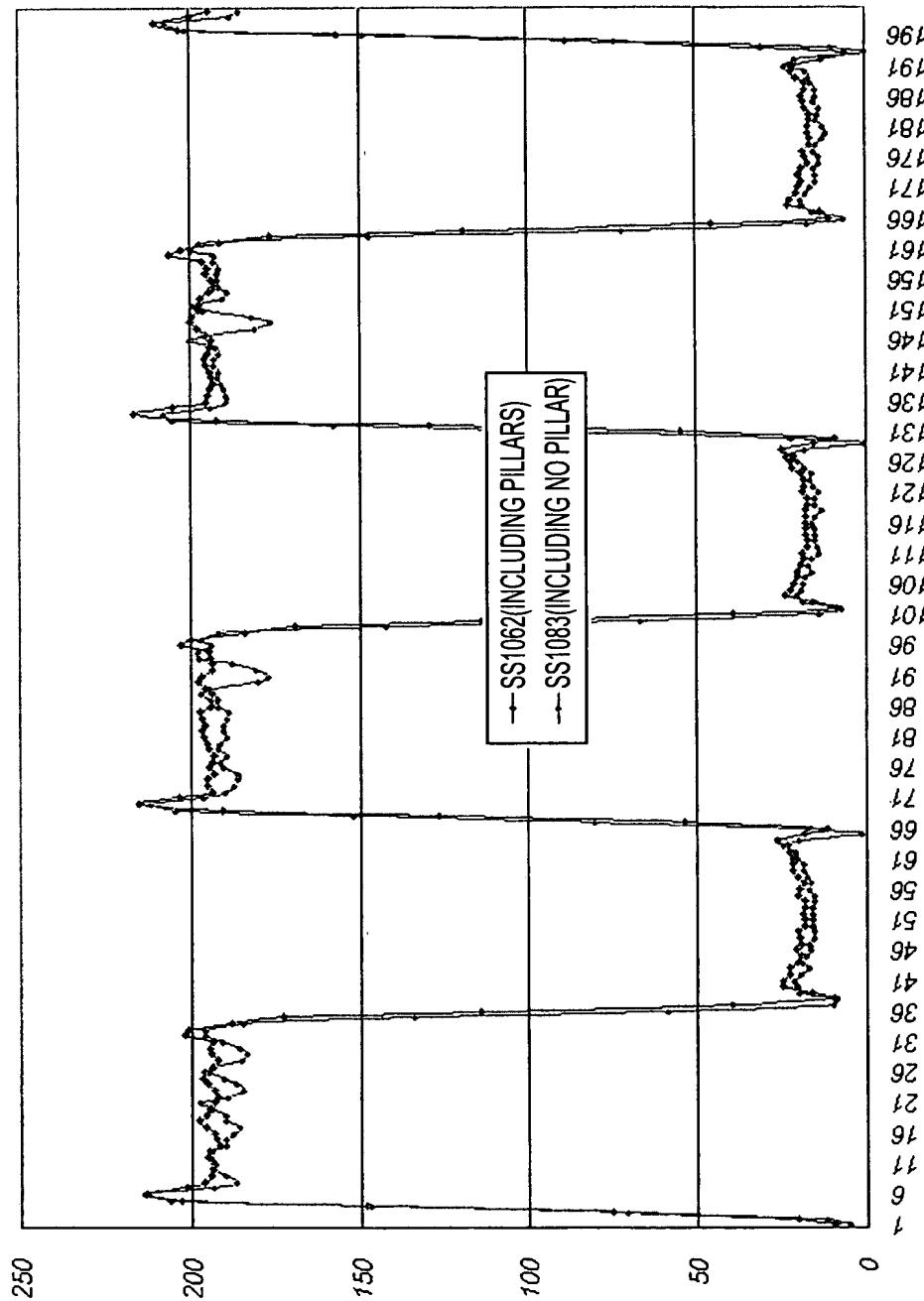


Best Available Copy

S04P1380

15 / 21

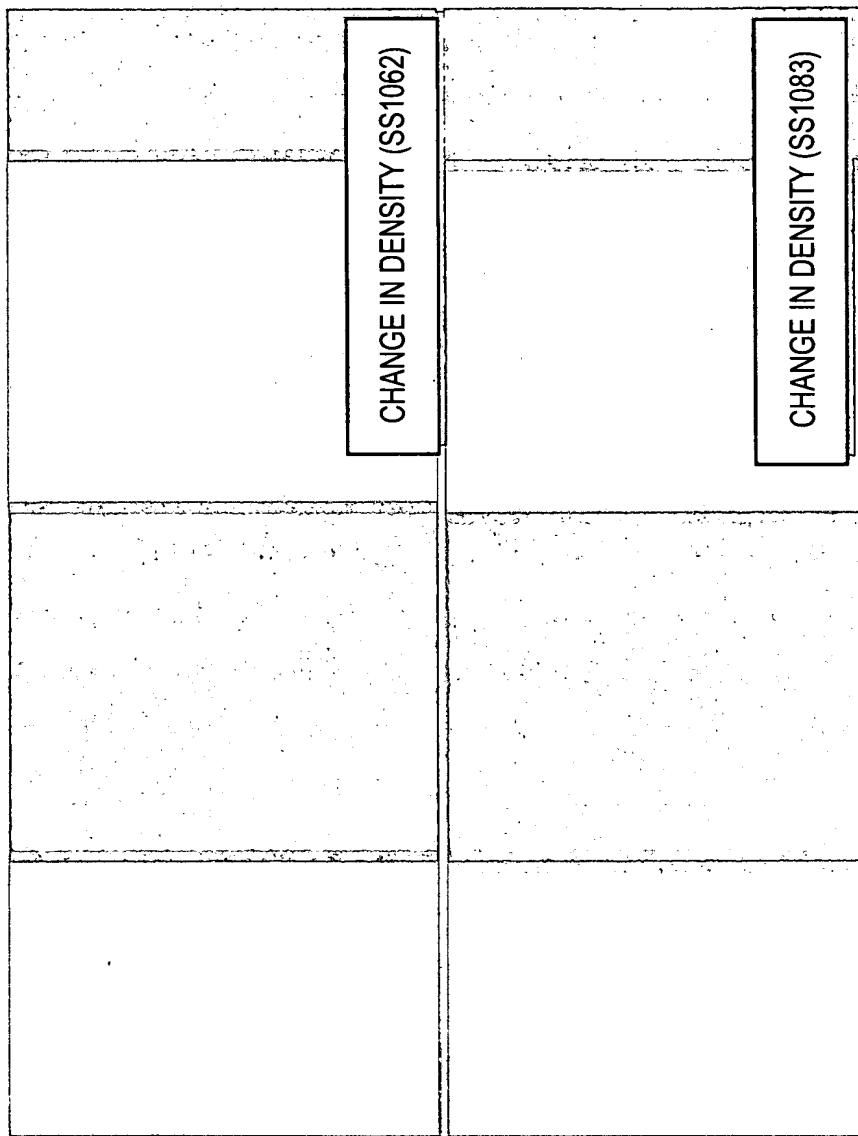
FIG. 15



16/21

S04P1380

FIG. 16

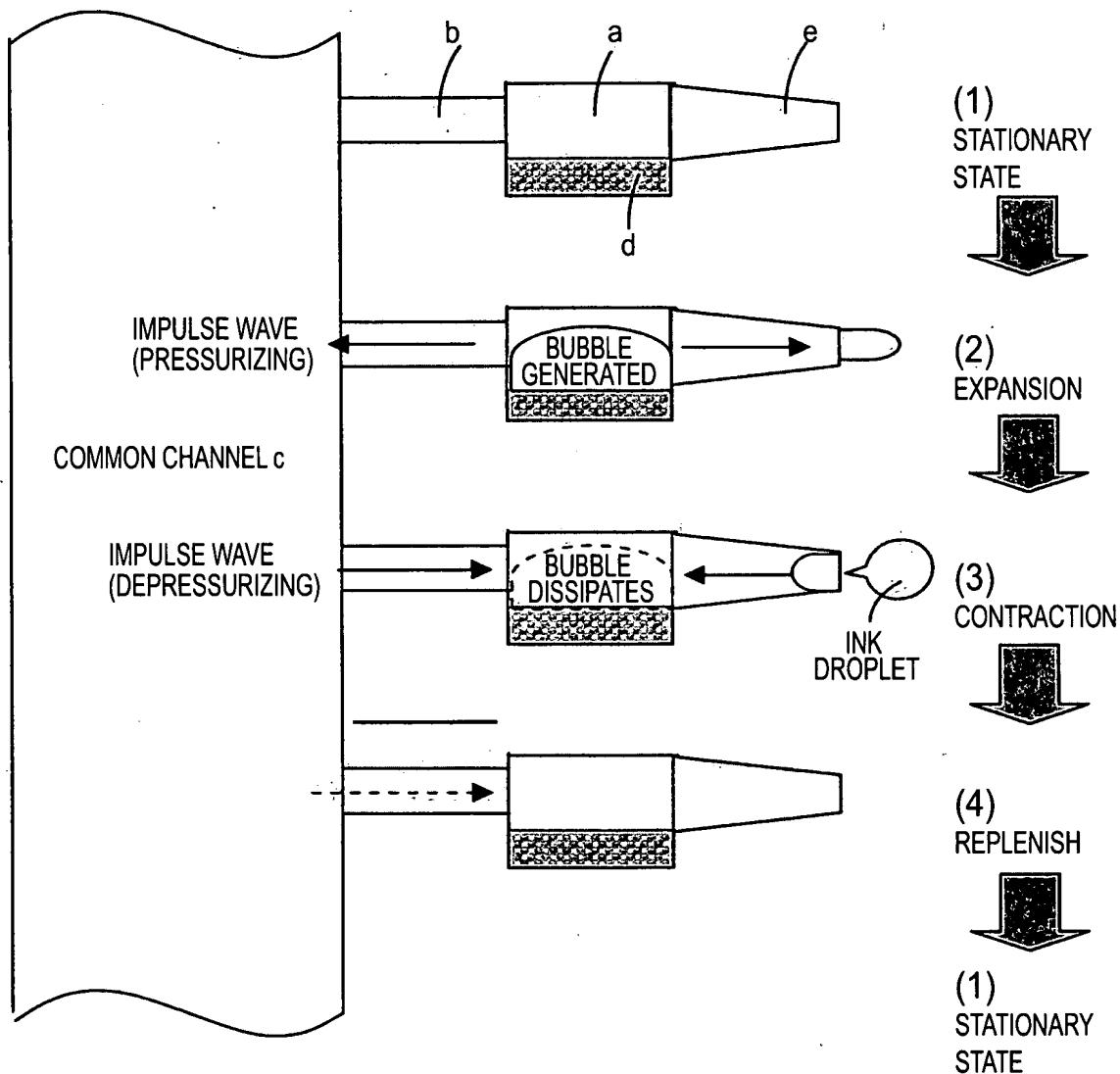


Best Available Copy

S04P1380

17 / 21

FIG. 17

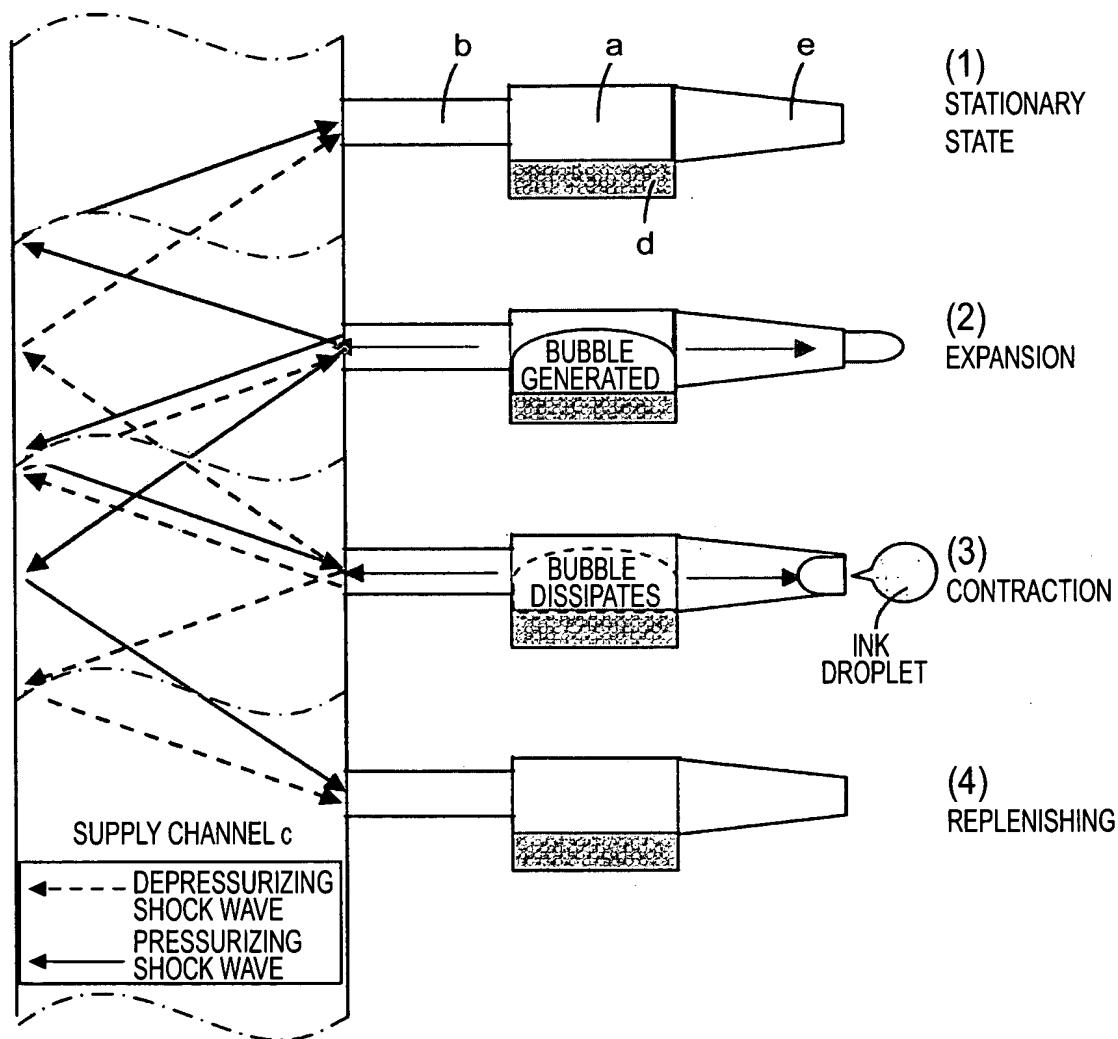


Best Available Copy

18 / 21

S04P1380

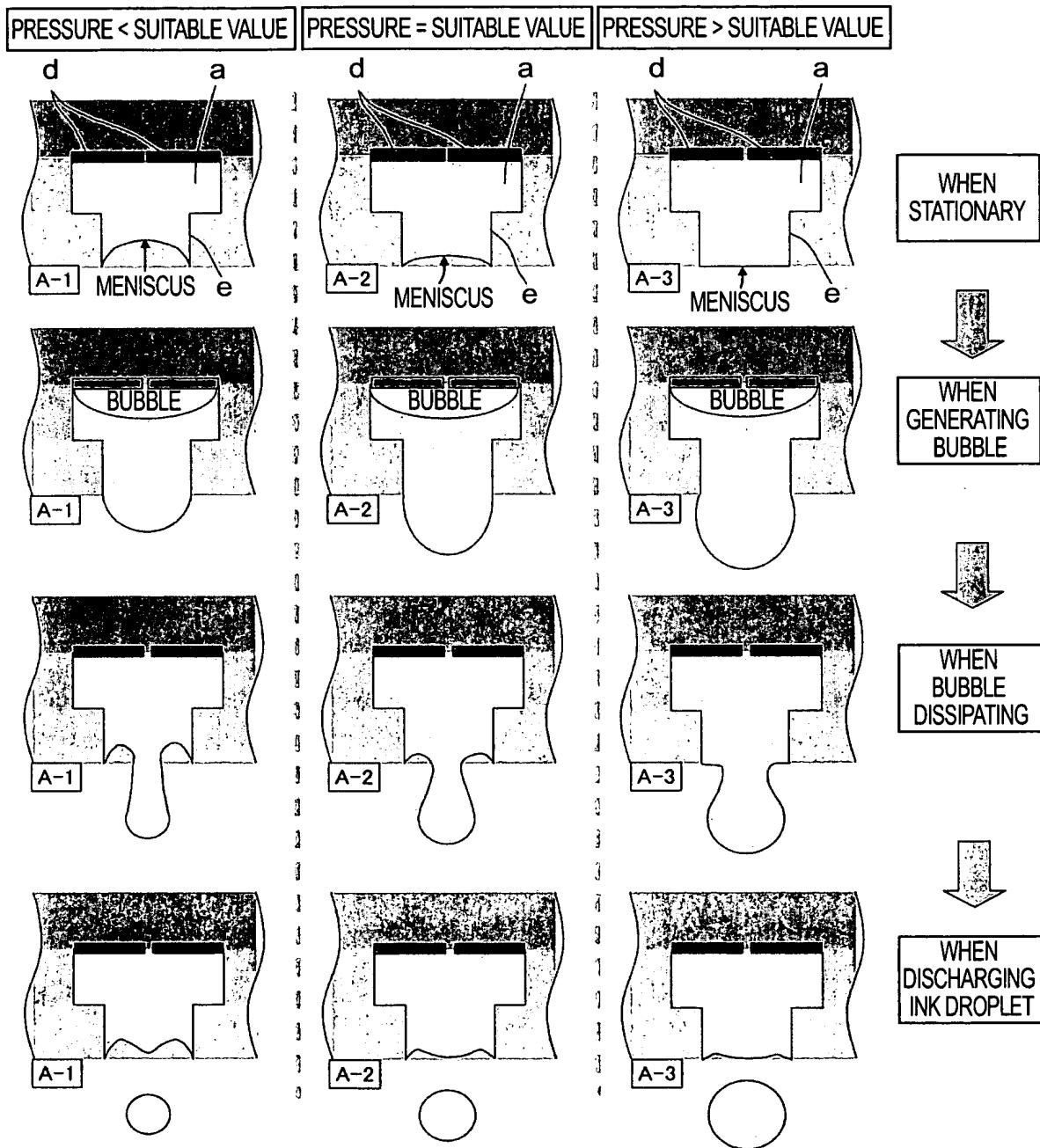
FIG. 18



19 / 21

S04P1380

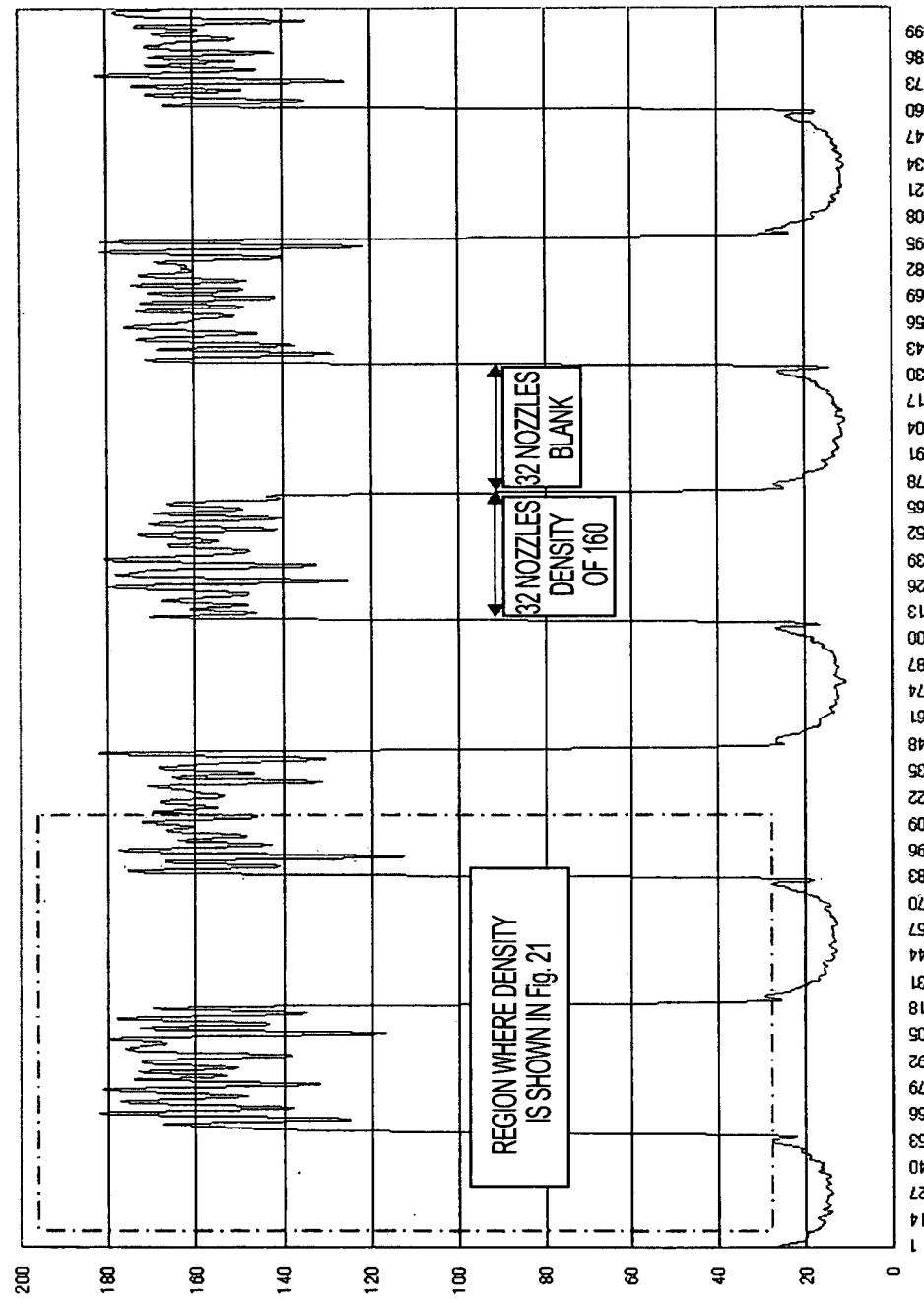
FIG. 19



S04P1380

20 / 21

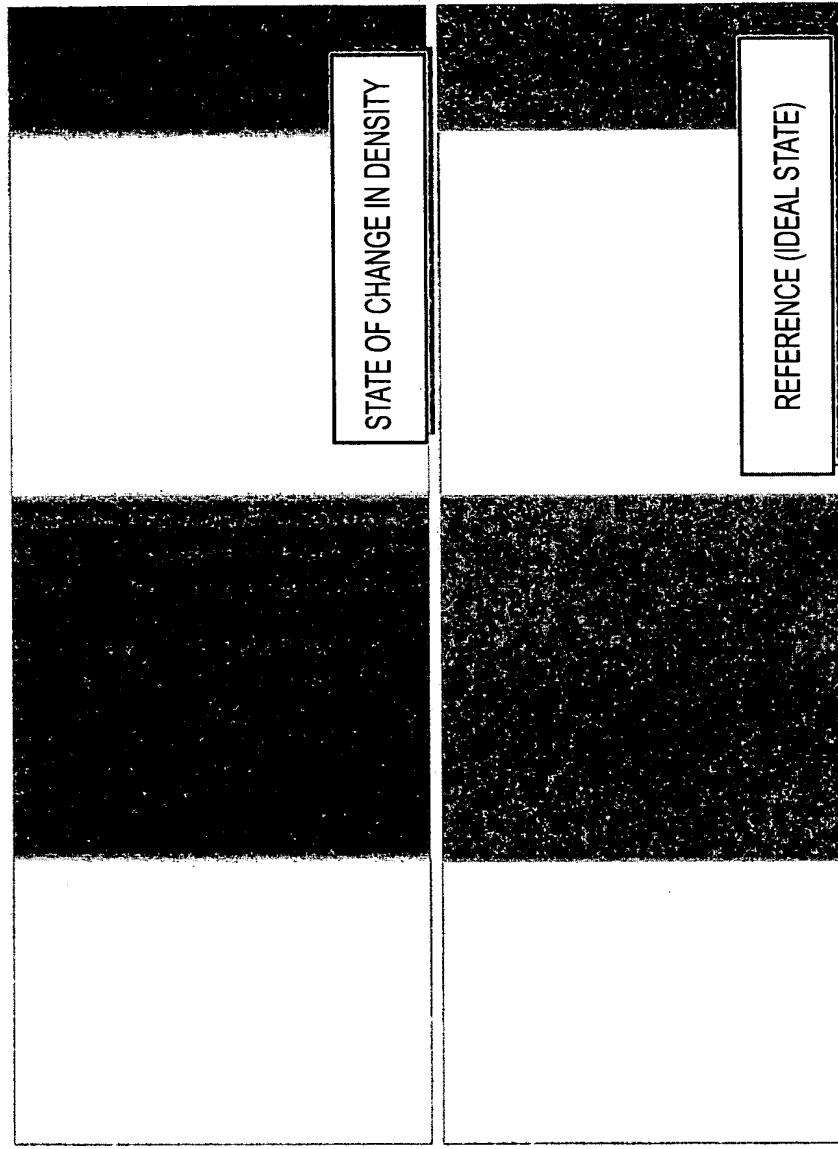
FIG. 20



S04P1380

21 / 21

FIG. 21



Best Available Copy